



Science Newsletter

An overview of the Term 3 focus for BIOLOGICAL SCIENCES

Year One

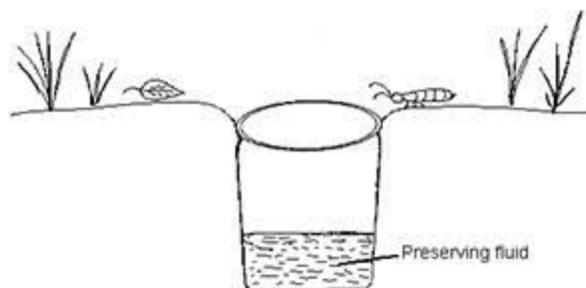
The Year One students will be investigating the natural and processed materials they might find in the school bush area. Our first investigation will be 'What do they think they will see, hear, touch in the bush?' Students will be collecting a variety of items to sort and categorise for a class Gallery Tour of the bushland.

We will take a closer look at the main tree species in the bushland - Sheoak, Banksia, Grasstrees and Jarrah. Students will observe special features and investigate possible habitats for wildlife. Students will work in teams to use the Makedo resource to create and construct a home for a bushland creature. Students will collect Banksia cones to create a bushland craft to put on display for the Open Night.



Year Two

The Year Two students will be investigating the **minibeasts** that live in the bushland habitat. We will be setting pit traps and learning how to use a dichotomous key to identify invertebrate species and graphing their findings. Students will participate in a **STEM activity** to design an invertebrate that lives in the bushland. These creatures will be on display at the Open Night. To conclude the topic, students will sort and classify a glass invertebrate set, using the knowledge they have gained throughout this topic.



Year Three

The Year Three students will investigate the family of **Southern Boobook Owls** that live in our bushland habitat. The students will look at the camera coverage of the owl hollow and observe the features and behaviours of owls. We will look at their lifecycle and investigate the food chain of owls. The students will participate in a **STEM activity** where they work with a partner to make their own owl pellets. These pellets will be on display for Open Night. Brendan Kinsell from Birdlife WA will present an incursion to the students about the owls of WA.





Year Four

The Year Four students will be investigating **flowering plants**. Our first investigation will be a seed dissection to learn about the parts of a seed. This will be followed by a flower dissection where the students learn the different parts of a flower. The students will learn the basics of photography and use the ipads to take photos in the bushland. Each student will enter his/her best photo into one of the **Chevron Focus Environment Photography Competition**. The categories are - WA's native species, WA's habitats and ecosystems, Sustainability in WA. The photos will be on display at Open Night.

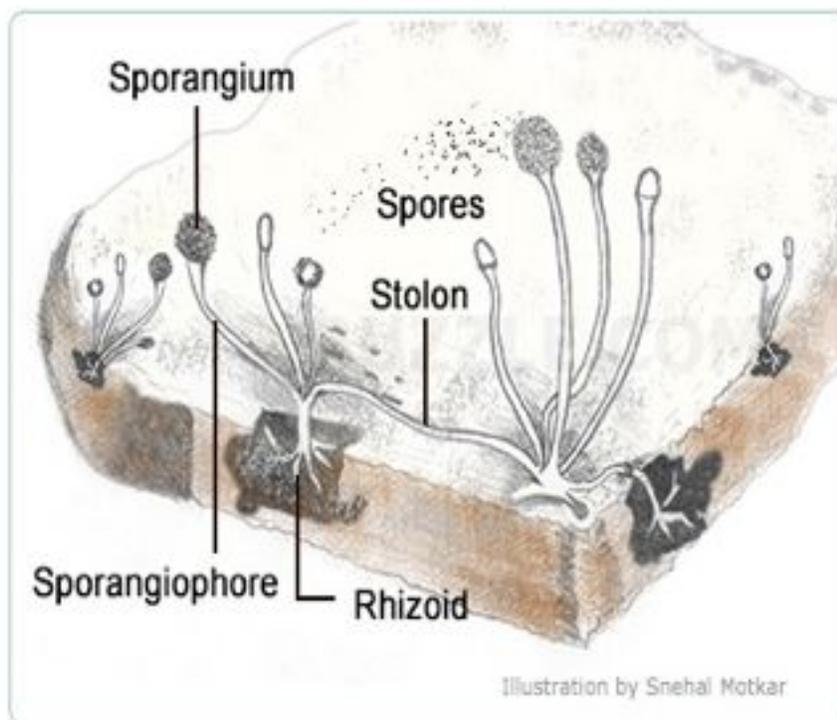


Year Five

The Year Five students will learn about **animal and plant adaptations** through participation in a sorting card game. Students will conduct an animal investigation about camouflage and compare this adaptation to how the bobtail skink living in the school bushland habitat survives. The students will also conduct a plant investigation to explore how leaves conserve water in dry climates. Each student will create an observational drawing about a wildflower in the school bushland. These will be on display at Open Night.

Year 6

The Year Six students will start the term off by taking a close inspection of the **stomata on the leaves of several bushland trees**. They will make their own glass slides to take closer observations using our Rotary Magnifying Microscopes. From these observations they will be able to **classify the leaf and stomata type**. The Year Six students will also be taking a close look at the marvellous and intricate world of **micro-organisms**. They will learn about the research of Anton van Leeuwenhoek in the development of the first microscope. The students will conduct a fair test about the best conditions for growing bread mould and learn the role of moulds in the invention of penicillins. Students will make a model of either a bacteria, virus or fungi and these will be on display for Open Night. Students will participate in the Brain Break Quiz during National Science Week.



This term we also celebrate **National Science Week** and this year's theme:

'Destination Moon: more missions, more science'

It is 50 years since the first lunar mission in 1969.

We will be sharing this special occasion with the students during Science!

